

Appl. No. 10/751,179  
Amdt. dated February 1, 2006  
Reply to Office action of November 2, 2005

In the Claims:

Claims 1, 3, 10 and 12-18 are amended herein. The remaining claims are not amended in this response.

1. (currently amended) A waterproof splitter box comprising:

a hollow casing with threaded sleeves integrally extending out of the hollow casing;

plastic inserts each securely received in a corresponding one of the threaded sleeves and defined therein a path;

rubber plugs each received in the path of a corresponding one of the plastic inserts, wherein a mediate portion of the rubber plug has a diameter larger than a diameter of the bottom portion of the rubber plug and the diameter of the bottom portion is slightly smaller than a diameter of a corresponding threaded sleeve such that the bottom portion is able to be received in the corresponding threaded sleeve;

connecting blades each extending into a corresponding one of the plastic inserts and out of the rubber plug which is received in the plastic insert; and

signal wires each extending and connecting to a corresponding one of the connecting blades for transmitting a signal,

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whereby engagement between the connecting blade and the rubber plug prevents moisture from entering the hollow casing so that the transmitted signal is steady.

2. (canceled)

3. (currently amended) The waterproof splitter box as claimed in claim ~~2~~ 1, wherein ~~the~~ a top portion has a diameter larger than the diameter of the bottom portion yet smaller than the diameter of the mediate portion,

the threaded sleeve has a step formed on an inner face of the threaded sleeve to correspond to the top portion of the rubber plug such that after the rubber plug is received in the corresponding threaded sleeve, the rubber plug is secured.

4. (original) The waterproof splitter box as claimed in claim 1, wherein the plastic insert has ribs longitudinally formed on an outer periphery of the plastic insert such that after the plastic insert is received in the corresponding threaded sleeve, friction between the inner face of the threaded sleeve and the plastic insert is enhanced and thus the plastic insert is secured inside the threaded sleeve.

5. (original) The waterproof splitter box as claimed in claim 3, wherein the plastic insert has ribs longitudinally formed on an outer periphery of the plastic insert such that after the plastic insert is received in the corresponding

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threaded sleeve, friction between the inner face of the threaded sleeve and the plastic insert is enhanced and thus the plastic insert is secured inside the threaded sleeve.

6. (original) The waterproof splitter box as claimed in claim 1, wherein the plastic insert has positioning plates formed on an inner periphery of the plastic insert such that after the extension of the connecting blade, the positioning plates are able to secure the connecting blade inside the plastic insert.

7. (original) The waterproof splitter box as claimed in claim 3, wherein the plastic insert has positioning plates formed on an inner periphery of the plastic insert such that after the extension of the connecting blade, the positioning plates are able to secure the connecting blade inside the plastic insert.

8. (original) The waterproof splitter box as claimed in claim 4, wherein the plastic insert has positioning plates formed on an inner periphery of the plastic insert such that after the extension of the connecting blade, the positioning plates are able to secure the connecting blade inside the plastic insert.

9. (original) The waterproof splitter box as claimed in claim 5, wherein the plastic insert has positioning plates formed on an inner periphery of the plastic insert such that after the extension of the connecting blade, the positioning plates are able to secure the connecting blade inside the plastic insert.

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10. (currently amended) The waterproof splitter box as claimed in claim 1, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

11. (canceled)

12. (currently amended) The waterproof splitter box as claimed in claim 3, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

13. (currently amended) The waterproof splitter box as claimed in claim 4, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is

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received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

14. (currently amended) The waterproof splitter box as claimed in claim 5, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

15. (currently amended) The waterproof splitter box as claimed in claim 6, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

16. (currently amended) The waterproof splitter box as claimed in claim 7, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

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the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

17. (currently amended) The waterproof splitter box as claimed in claim 8, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.

18. (currently amended) The waterproof splitter box as claimed in claim 9, wherein the rubber plug has a passage longitudinally defined through the rubber plug to expedite the extension of the connecting blade,

the bottom portion of the rubber plug is configured in such a way that after the bottom portion of the rubber plug is received in the hollow plastic insert, the rubber plug is immovable relative to the plastic insert.